

# THE TECH

## DAILY

VOL. XXIX. NO. 82.

BOSTON, MASS., WEDNESDAY, JANUARY 12, 1910

PRICE ONE CENT

### DARTMOUTH EASILY WINS FROM INSTITUTE FIVE

#### Lack Of Team Work Causes Defeat Of Tech Team Score 31-17

The veteran Dartmouth five defeated Technology in basket ball last night at Hanover by the score of 31 to 17. This is Dartmouth's first game this season, and is the third for the Institute. Dartmouth had the advantage of better team work, which may be explained by the fact that all but two of her team played last year. Tech played a hard, fast game, but only succeeded in shooting two baskets from the floor, one by Capt. Parker, and the other by Hargraves, while Dartmouth scored thirteen times from the floor. Brady, Dartmouth's star forward, piled up seventeen points for the home team—shooting six baskets from the floor and making five points on free tries. Capt. Parker's goal shooting on fouls was a feature of the game. Thirteen times he dropped the ball in the basket after fouls called on Dartmouth men.

The line-up:

**DARTMOUTH.** M. I. T.  
Mullen, Hart, r.f. . . . .l.b., Crocker  
Brady, l.f. . . . .r.b., Bemmis, Darling  
Gibson, Jones, c. . . . .c. Parker  
Dingle, r.b. . . . .l.f. Johnson  
Mensel, Hoban, l.b. . . . .r.f. Hargraves  
Score—Dartmouth, 31; M. I. T., 17.  
Goals from floor—Brady (6), Mullen (3).  
Mensel, Jones (2), Dingle, Parker, Hargraves. Goals from fouls—Brady (5), Parker (13). Referee—Frank Hardy of Cushing. Scorer—Bankart. Times—Keady. Time—Two 20 minute halves. Attendance, 600.

### UNION DINING-ROOM

#### Increased Desire Of Societies To Have Union Dinners

It is evident that the student body has realized that the Union is well worthy of its patronage.

As shown by the report of the dining-room committee, the Union Dining-room has paid for itself the last four weeks of the past year. Their report for the first week of this year also shows that the students intend to continue in their support.

A comparison of the difference in the figures of the report of the first week of this term and of the first week of 1910 is very interesting:

Week ending October 9th.	
Attendance . . . . .	1928
Loss on Dining-room . . . . .	\$101.96
Week ending January 8th.	
Attendance . . . . .	2318
Profit on Dining-room . . . . .	\$24.36

The net deficit on the Union to date, exclusive of the equipment charges on the dining-room, is \$290.35.

The societies and organizations which have held dinners in the Union have all expressed much satisfaction with both the dinners served and the service of the waiters. The following letter, received from a member of the Women's M. I. T. Association, gives the sentiment of the participants of many of those attending private dinners at the Union.

Mr. R. C. Colton, Steward of Union.:

My dear Mr. Colton:—I wish to express our appreciation of the excellent luncheon served by the Union yesterday for the Women's Association.

The food, the way it was served, and

(Continued on page 2.)

### BUSINESS MEN AND EDUCATORS WILL MEET

#### Problem Of College Education For Business Will Be Discussed

"One of the first and most important efforts to unite the worlds of business and education, for the purpose of training young men along thoroughly scientific lines, and thereby producing business men of the highest efficiency, is being made by the representatives of the two greatest factors in modern New England life—the Boston Chamber of Commerce and the presidents of all the colleges in Massachusetts." This is the comment made by Mr. J. P. Munroe of the Munroe Felt and Paper Co., and a member of the Corporation of the Institute, in regard to the conference at the Institute to-morrow. He goes on to say: "This conference will be the first of its sort in the East, if not in the United States, in which there has been a practical effort to unite a body of business men and a body of college masters for the purpose of research."

This conference is held under the auspices of the committee of education of the Chamber of Commerce and the heads of all the colleges—both for men and women—are expected to attend. Its main purpose is to bring the college educators into closer relationship with business men and the establishment of special education for young men intending to enter business as a profession. Schools of business administration have been established abroad, and in several of our Western universities—notably in the University of Wisconsin, a state institution, with marked success. Within a year such a school has been instituted at Harvard, and it will probably be considered in the discussions as it has awakened much interest among local business men and they are looking for big results.

Further objects of this conference are to bring a mutual realization of the inter-dependence of the college and the community in which it is and to unite the universities of Massachusetts for their mutual benefit.

(Continued on page 3.)

### J. P. MUNROE HONORED

#### Banquet Of Class Secretaries At University Club

James P. Munroe, a member and the secretary of the Corporation of the Institute, a member of the board of editors of the Technology Review, and a man who has always been actively associated with the Institute, was honored last night by a banquet of the the Association of Class Secretaries at the University Club.

Prof. R. H. Richards paid a touching tribute to Mr. Munroe, pointing to him as "the man on whom the mantle of President W. B. Rogers fell." In appreciation of the great work which he has done for the Institute he was presented with a solid silver tea and coffee set and a purse of gold.

E. S. Webster 1887, president of the Alumni Society, presided and introduced the guests.

Prof. R. H. Richards 1868, the oldest living graduate spoke about Mr.

(Continued on page 2.)

### FRESHMAN TRACK TEAM PICKED TO WIN MEET

#### Contest For Second Place Be- tween Seniors And Sopho- mores---Many Entries

It is expected that the indoor track meet tonight will develop into the closest contest between the two lower classes that there has been for years. The list of entries is large, and out of the many capable men entered there should be a number of new records established. Last year three new records were made at the indoor meet: L. O. Mills 1910 clipped 9 1-5 seconds from the former indoor record for the mile; Carl Gram 1909 made a new high mark for the quarter mile; and W. D. Allen 1911 raised the record for the pole vault to 10 ft. 6 in.

The entries are:—

Thirty-five yards dash—K. D. Fernstrom 1910, W. C. Salisbury 1911, W. J. Pead, Jr. 1910, M. A. Oettinger 1912, C. G. Fallon 1913, Newsome Eichorn 1913, R. M. Freeman 1913, J. J. Strachan 1913, J. L. Drummey 1913, J. S. Grant 1912, R. H. Gould 1911, C. E. Trull 1913, R. D. Sampson 1913, H. D. Peck 1913, R. B. McEwen 1911, A. J. Marcom 1913, S. E. Reed 1912 and J. Becker, Jr. 1912.

Forty yard high hurdles—W. J. Pead Jr. 1910, C. A. Reed Jr. 1913 and R. B. McEwen 1911.

Four hundred and forty yards dash—K. D. Fernstrom 1910, W. C. Salisbury 1911, J. I. Taylor 1912, W. S. Davis 1910, M. A. Oettinger 1912, and J. J. Strachan 1913.

Eight hundred and eighty yards dash—R. M. Ferry 1912, J. I. Taylor 1912, W. S. Davis 1910, M. A. Oettinger 1912, R. D. Bonney 1913, and R. D. Sampson 1913.

One mile run—R. M. Ferry 1912, R. D. Bonney 1913, and H. D. Peck 1913.

High Jump—W. C. Salisbury 1911, C. S. Fallon 1913, R. H. Gould 1911, B. Jones 1910, and P. W. Dalrymple.

Pole vault—H. S. Gott 1910, W. C. Salisbury 1911, W. D. Allen 1911, and E. Mangan 1912.

Shot-put—H. S. Gott 1910, William Newsome Eichorn 1913, Roger Freeman 1913, Norman McLeod 1913, and E. Stuart 1910.

### FITZGERALD ELECTED

#### The Tech's Straw Ballot And Ward 11 Declare For Storrow

In the city elections yesterday, Ex-Mayor Fitzgerald was elected by a very small majority. His plurality is less than that of any former mayor, and was only gained after one of the fiercest fights in the history of municipal elections in Boston. Never has the city been so disturbed and excited by a campaign or the issues involved. James J. Storrow who came second, made a determined attempt and spared no expense in spreading broadcast his criticisms of Mr. Fitzgerald's character and record while in the mayor's chair. Hibbard, the present mayor, comes a bad third, with barely one per cent. of the record vote cast, while Taylor came nowhere, with less than one-half of one per cent. of the ballots. It has been suggested that one of Ex-Mayor Fitzgerald's first cuts will be the removal of the "Ex" from his former title. It may be interesting to compare the

(Continued on page 3.)

### PROF. RICHARDS RETURNS FROM TRIP TO WEST

#### Coal Industries Interested In His Ore Preparing Ma- chine

Prof. R. H. Richards of the department of Mining Engineering has spent the last two weeks in Denver, Colo., in connection with the manufacture of his pulsator classifier and pulsator jig. Although he spent the most of the summer in the West upon this work, the development has been rapid, and the problems so numerous, that seemed necessary for him to make a trip at this time. There is a demand from the coal people to have it applied to the washing of slate from coal, but the demands from the metal people have been so great that up to this time the manufacturers have not been able to spare the time to work up the coal side of the question. Prof. Richards has practically settled this problem during his absence.

The pulsator classifier is a machine for preparing the ores to be finished on the jigs and washing tables. The jig finishes these products by separating the ores. While in the West, Prof. Richards visited many mills which he was connected with during the summer. He visited the mills of the Denver Engineering Works Co., and other mills in Colorado, Arizona, Utah, Montana and Ontario. He said that on the whole both the classifier and the jig are doing fine work in many of the mills that he visited.

Prof. Richards visited the Colorado School of Mines, Golden, Colorado, and gave a talk to the students on the dressing of ores.

### COURSE III ISSUE

Every man at the Institute connected in any way with the mining or geological professions, or any one who owns or hopes to own mining stock, should buy half a dozen of the special Mining and Geological Issue of the Tech, which will appear on Saturday, January 15. Every one will get at least one copy. The articles of the professors, and the opinions of prominent graduates from these courses are of especial value to any one contemplating mining or geology as a profession. A new feature will be the big three column picture of the undergraduates and instructing staff of Course III.

The price will be the customary one for the special issues—five cents.

The senior class of the Sheffield Scientific School of Yale University is planning the formation of a Student Council. A constitution has been drawn up by the senior committee, and is awaiting the ratification of the class before its adoption.

### CALENDAR.

Wednesday, January 12.

4.00—Gym Team Practice—Gym.  
4.15—Institute Committee Meets—Union  
6.00—T. C. A. Dinner—Union.  
7.30—Indoor Track Meet—Gym.

Thursday, January 13.

7.30—Bro. St. Andrew Meeting—92  
Marlborough St.

Friday, January 14.

1.00—Course IV Picture—Rogers Steps.  
1.00—Basket-ball Practice—Gym.  
4.00—Gym Team Practice—Gym.  
7.30—Biological Society Dinner—Hotel  
Plaza.

## THE TECH.

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General Manager,  
R. H. Ranger 1911

### News Board.

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A. L. Fabens 1910 .... Institute Editor  
J. I. Murray 1912 .... Athletic Editor  
G. M. Keith 1912 .... Exchange Editor  
Wm. J. Orchard 1911 .... Society Editor

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Single Copies 1 Cent.

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BOSTON, MASS., JANUARY 12, 1910.

The new foot rests placed in 6 Lowell during the Christmas vacation have been much appreciated by the students who have lectures there.

While minor improvements are being made, would it not be a good idea to put a door knob on the door of Lowell, which opens on the area in the rear of the Union? The present latch is difficult to open from the inside, especially when only one hand is available, and considering the number of men who use this door, it seems that a door knob could be afforded.

Now that the votes are counted, let us all settle down and "plug."

Never before in the history of municipal elections, so the old-timers tell us, has such enthusiasm been shown and has feeling run so high. Here at Tech almost every man showed that he was much interested in the outcome of yesterday's election; and quite a few men acted as volunteers at the various polling places, keeping a watchful eye on the counting of the ballot.

Most of us will be out of Tech when the time comes for Boston to elect another mayor.

Considerable favorable comment was heard in and about the Union regarding the news posted on the bulletin boards of the Wireless Society yesterday. The weather forecast was put up early in the morning and last evening the members of the society derived a good deal of pleasure in intercepting the messages sent out from the various Boston newspaper offices regarding the election returns. Such performances as these justify the formation of any society.

## J. P. MUNROE HONORED

(Continued from page 1.)

Munroe as a student; Dr. H. W. Tyler 1884 described Mr. Munroe's work as secretary of the Institute; F. L. Locke 1886, the president of the Boston Y. M. C. U., told about Mr. Munroe as a member of the Corporation; Arthur D. Little 1885 related the growth of the Technology Review during the first ten years under the guiding hand of Mr. Munroe; F. H. Fay 1893, secretary of the Association of Class Secretaries, read letters of tribute to Mr. Munroe, and made the presentation speech.

Other guests besides the speakers named were Pres. R. C. Maclaurin; Elihu Thompson, C. H. Stone 1888, Prof. A. L. Merrill, Walter Humphreys and F. P. Fish.

## THE "DOPESTER"

Indoor Meet tonight.

Let us hope for some new records.

Three records were broken last year: The 440-yd. dash, 58 secs.; the one-mile run, 4 min. 52 1-5 secs.; and the pole vault, 10 ft. 6 in.

In Benson 1912 the freshmen have an excellent advisor for their team. 1913 should get out and work. The Varsity track team is dependent on them for their material in the next three years.

Congratulations, Fallon and Katzenberger.

The freshmen's basket-ball season is going good now, and if the men keep in practice the 1913 contingent should come in strong at the finish.

Track "fans" want to watch the relay team this year. We have lost Gram, but the team should be as fast this year as last, and that means a record smasher. Watch!

## UNION DINING ROOM

(Continued from page 1.)

the courteous attention of the waiters, all gave excellent satisfaction.

I enclose one of our menu cards. It could be easier to read in black, but we wanted Tech colors.

Very truly yours,

ANNIE E. ALLEN,

Treas. M. I. T. Women's Association. The following is another letter received by Mr. Scharff from a member of the Women's Association:

Mr. M. R. Scharff, M. I. T.,  
Dear Sir:—Saturday I attended the annual luncheon of the M. I. T. W. A., and I heard many of the members speak of the excellent menu and service. It seemed better than last year although we were satisfied then.

The Girls' High School Class of 1892 hold their reunion the first week of February. Would it be allowable to use the Technology Union as we did last Saturday?

(This letter was received from Miss Hattie L. Gates, of Roxbury.)

## CHICAGO CONCERT

The Technology Alumni at Chicago have repeatedly assured the management of the musical clubs that they will give the clubs "a time that they will never forget." The concert there will be held on Thursday, February 3d, and it is expected that the affair here will rank among the most successful of the series in the itinerary of the western trip.

A meeting in the interests of Christian Missions will be held in Sanders Theatre, Harvard University, on Monday, January 17th, at 4.30 P. M., under the auspices of the Student Volunteer League of Boston and the Harvard Mission. The object of this meeting is to bring before the students of this vicinity a knowledge of the scope and significance of the modern missionary campaign and the world-wide student movement on its behalf. The speakers will be David Z. T. Yui, a Chinese student in the Harvard Graduate School; G. Sherwood Eddy, Yale '91 Student Y. M. C. A. Secretary for India; and Edward C. Carter, Harvard '00, formerly of India.

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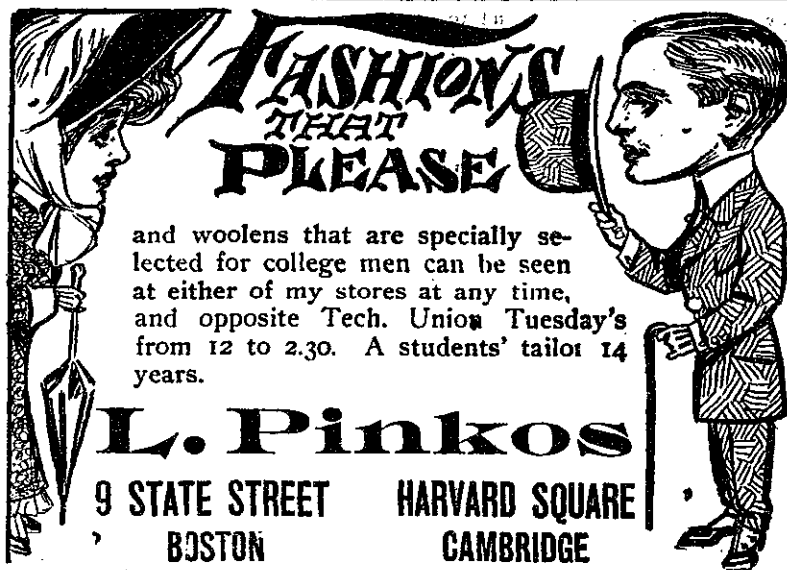
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AND WINTER FOR COLLEGE MEN.

## BUSINESS AND COLLEGE

(Continued from page 1.)

Following a luncheon at the Vendome given by the Institute Corporation at one o'clock, the conference will resume in private session, in order that the speakers will feel free to discuss at their ease the more extended use of the intellectual and material resources of the various colleges and the training men and women who cannot matriculate in the usual manner.

In regard to the relation of the college and the community, President Lowell of Harvard who will be one of the most prominent speakers has said: "A university to be of any great value must grow out of the community in which it lives and must be in absolute touch with the community, doing all the good it can and doing what the community needs. Any institution which is not in absolutely close touch with the community about it which attempts to be exotic, which attempts to live in the air without contact with the ground, is doomed to wither and die."

We have a number of educational institutions in and about Boston. Those educational institutions are all endeavoring to reach their hands out to try and do something for the community in which they live. But as yet there is practically no co-operation among them. That is the next thing we must bring about. At present we are duplicating one another's work. With co-operation there is no reason why we could not be, so far as instruction is concerned, a model community."

The delegates are President A. Lawrence Lowell, Harvard University; Dr. Richard C. Maclaurin, Massachusetts Institute of Technology; President L. B. R. Briggs, Radcliffe College; the Rev. F. W. Hamilton, Tufts College; President Harry A. Garfield, Williams College; President George Harris, Amherst College; Dr. K. L. Butterfield, Amherst Agricultural College; President G. Stanley Hall, Clark University; Dr. E. A. Engler, Worcester Polytechnic Institute; Dr. L. Clarke Seelye, Smith College; Dr. Henry Lefavour, Simmons College; the Rev. T. I. Gasson, S. J., Boston College; Dr. W. E. Huntington, Boston University; the Rev. Thomas B. Murphy, S. J., Holy Cross College; Dr. Edmund C. Sanford, Clark College; Miss Mary E. Woolley, Mt. Holyoke College, and Miss Caroline Hazard, Wellesley College.

## FITZGERALD ELECTED

(Continued from page 1.)

vote in Ward 11 with the results in the straw ballot as received by The Tech yesterday. In this ballot Fitzgerald received but four votes, while Storow led with a total vote of 30. Ward 11, where the Institute buildings are located, and in which most of the fellows live, delivered 2,856 votes for Storow, and 621 for Fitzgerald—a ratio of approximately 5 to 1, while the straw ballot declared for Storow is a ratio of 15-2. This shows that the Institute body is closely in sympathy—even politically—with its surroundings. Taylor received four votes and Hibbard one vote in The Tech's straw ballot, making a total of 39 votes cast.

## INTERCOLLEGIATE NEWS.

The Prom Committee at Yale has passed a resolution that no flowers be worn at the festivities of Prom. week. This includes the Prom. play, Sunday Chapel, the junior and sophomore teas, the Musical Club's concert, the senior, junior, and sophomore Germans, and the Prom. itself.

A dramatic society has been formed at the Stevens Institute of Technology.

## COLLEGE ATTENDANCE

### Columbia, Harvard, Chicago And Michigan Pass 5,000 Mark

There has been a general increase in the enrollment of institutions of learning throughout the United States during the past year. However, the belief that the Western colleges and universities have been growing faster than those in the East is disproven by a glance at the tables.

All of the universities, with the exception of Iowa, Minnesota, New York University, show an increase when compared with figures of 1908.

Columbia, Chicago, Wisconsin, California, Cornell, Ohio, Pennsylvania each show an increase of over three hundred students—Columbia being the only one, however, to top the four hundred mark. Last year there were eight institutions which showed an increase of over a hundred over the previous year. This shows that development was very rapid during 1907-1908.

Not including the summer session the largest gains have been made by Pennsylvania, Cornell, Wisconsin, California, Ohio and Nebraska, each having an increase of over two hundred.

Comparing the grand totals of last year with those of 1902 we find the most noteworthy gains have been registered during this period by Pennsylvania, Columbia, Cornell, Illinois, New York University, Michigan, Ohio, Wisconsin, Syracuse, Chicago and Missouri, all of these institutions showing an increase of more than one thousand students.

It will be observed that these institutions are evenly divided between the East and the West, but the first three are in the East.

For the second time in the history of American higher institutions the six thousand mark has been passed. Columbia claims that 6,300 students will be enrolled before the close of the year; Harvard had an attendance of 6,013 in 1903, but has never attained that figure since. Chicago and Michigan have already passed the 5,000 mark, but have no immediate prospects of reaching 6,000.

Harvard still leads in the number of male academic students, followed in order by Yale, Princeton, Michigan, Chicago, Wisconsin, Columbia and Minnesota. Including undergraduate women the order would be Harvard, Michigan, Wisconsin, Minnesota, California, Chicago, Syracuse, Yale, Columbia, Kansas and Iowa, all having an attendance of 1,000.

A general depression in the engineering schools is noticeable, Stanford being the only one to show a marked gain. Several of the more prominent schools show no marked difference, but most of them show a loss. Technology shows an increase for 1909 over 1908, but a decided loss over 1904. Five years ago 1561 students were in attendance, while last year there were 1480 and 1462 in 1908.

Most of the mechanical schools show an increase, as do the New England colleges for women, while the number of students in the law schools remains about the same.

The Harvard Club of this city is carrying on an active campaign with the view of securing a better place for the distribution of tickets for the Yale-Harvard football game. A sub-committee which has been investigating remedies has made the following suggestions, which may go into effect this coming fall: reduce the number of specially awarded seats, abolish H. A. A. tickets, limit freshmen and sophomores to one seat, class university officers with the graduates, and give graduates a better chance.

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**GENERAL NOTICES.**

**MILITARY SCIENCE.**

The Drill hour, on Mondays and Fri-  
days, on and after January 3rd will be  
changed from three to two o'clock.  
**WALTER HUMPHREYS,**  
Registrar.

**LIBRARY.**

Receipts, dated but not signed, for  
the following books have been left in  
the General Library:

July 1, 1909—Statham, H. H. Archi-  
tecture for General Readers.  
November 16, 1909—Macaulay, T. B.  
History of England, Vol. 1.

The borrowers are requested to return  
these books.

All candidates for the 1913 Indoor  
Track Team report at Gym on Monday,  
Tuesday, Thursday and Saturday.

**H. S. BENSON, Mgr.**

**JUNIORS.**

Any Junior who has not received a  
copy of the questions for the Statisti-  
cians Department of Technique may  
have same by applying at Cage.

**PHI DELTA THETA.**

All members of Phi Delta Theta Fra-  
ternity in attendance at the Institute  
are requested to send their names to H.  
E. Beebe, 25 St. James Ave., or the  
Cage.

**WIRELESS SOCIETY.**—All members  
who wish to have their names included  
in membership list in 1911 Technique  
should pay their dues at once. Dues of  
one dollar, can be left for Kemp 1912,  
care of Cage, or any officer of the so-  
ciety.

**H. L. WOHLING, Sec'y.**

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table, favorable terms. Write or tele-  
phone for particulars to J. B. Tilton.

Will the person who took cap in 55  
Eng. A Saturday morning, return to  
R. Cremer at Cage.

**LECTURE ON VOLCANOES**

**Prof. Jagger Will Speak On  
Recent Eruptions In Japan**

Professor Thomas A. Jagger, Jr., will  
lecture tonight in Huntington Hall on  
the subject of Japanese Volcanoes.  
Professor Jagger is in charge of the  
Department of Geology here at the In-  
stitute. The lecture is scheduled to  
start promptly at eight o'clock. This is  
one of a course of lectures held here at  
the Institute and they form part of  
the regular course of educational work.  
As is well known, they are free to the  
public and all interested in any way  
are invited to join the Society under  
whose direction they are held. This is  
known as the Society of Arts of the  
Massachusetts Institute of Technology.  
It was established many years ago  
by President Rogers, and aims to  
awaken and maintain an interest in the  
advances and applications of the sci-  
ences. Membership is open to any one  
interested in the Society, and he be-  
comes a member upon payment of the  
annual dues of three dollars. President  
MacLaurin is head of the Society, and  
Mr. Litchfield is Secretary.

Professor Jagger is very well in-  
formed on the subject of his address,  
for he spent the greater part of the  
spring of 1909 in Japan, where he in-  
vestigated the work of the government  
experts on earthquakes. He also visited  
several active volcanoes. During the  
summer he was fortunate to secure  
several beautiful and interesting pic-  
tures, which he will show tonight.

Perhaps the most interesting subject  
which he will take up is the eruption  
of the remarkable mountain, named  
Tarumai, in Yezo, the northern island  
of Japan. It broke out in eruption a  
short time before Dr. Jagger's arrival.  
He was able to visit the mountain and  
will exhibit a remarkable series of pho-  
tographs of the wonderful lava dome  
which rose in the midst of the crater.

Last year Dr. Jagger spoke before  
the Society about the Messina earth-  
quake, and all who heard him, consid-  
ered themselves most fortunate. To-  
night's address should prove equally  
interesting.

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